

Title (en)
APPARATUS FOR READING SIGNALS GENERATED FROM RESONANCE LIGHT SCATTERED PARTICLE LABELS

Title (de)
VORRICHTUNG ZUM LESEN VON VON RESONANZLICHTGESTREUTEN PARTIKELMARKIERUNGEN ERZEUGTEN SIGNALEN

Title (fr)
DISPOSITIF POUR LA LECTURE DE SIGNAUX EMIS PAR DES PARTICULES A DISPERSION DE LA LUMIERE DE RESONANCE UTILISEES
COMME MARQUEURS

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Priority

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Abstract (en)
[origin: WO03021231A2] The present invention is directed to deconvolution and normalization of assay data. The present invention includes a control and analysis system, used in conjunction with a signal generation and detection apparatus, for capturing, processing and analyzing images of samples having resonance light scattering (RLS) particle labels. The control and analysis system processes instructions and algorithms for performing multiplexed assays of two or more colors, for example, to allow separation and analysis of detected light that contains information from two or more different types or sizes of RLS particles. The multiplexing analysis software is preferably incorporated within the system of the present invention, and the multiplexing analysis is preferably performed in real-time during a scanning or assay procedure. The invention provides for a computer readable medium containing instructions for carrying out the same.
[origin: WO03021231A2] The present invention directed to deconvolution and normalization of assay data. The present invention includes a control and analysis system 20, used in conjunction with a signal generation and detection apparatus 100, for capturing, processing and analyzing images of samples having resonance light scattering "RLS" particle labels. The control and analysis system 20 processes instructions and algorithms for performing multiplexed assays of two or more colors, for example, to allow separation and analysis of detected light that contains information from two or more different types or sizes of RLS particles. The multiplexing analysis software is preferably incorporated within the system of the present invention, and the multiplexing analysis is preferably performed in real-time during a scanning or assay procedure. The invention provides for a computer readable medium containing instructions for carrying out the same.

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